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Approved through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/982,855
				Filing Date	October 22, 2001
				First Named Inventor	Richard A. Metzler
				Group Art Unit	<del>2814</del> 2813
Examiner Name	Unassigned				
Sheet	1	of	6	Attorney Docket Number	5802P018X

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
CAT	AA	2,444,255		Hewlett	06-27-1948	—
	AB	3,295,030		Allison	12-27-1966	—
	AC	3,407,343		Fang	10-22-1968	—
	AD	3,427,708		Schütze et al.	02-18-1969	—
	AE	3,458,798		Fang et al.	07-29-1969	—
	AF	3,566,215		Heywang	02-23-1971	—
	AG	3,586,925		Collard	06-22-1971	—
	AH	3,617,824		Shinoda et al.	11-02-1971	—
	AI	3,619,737		Chiu	11-09-1971	—
	AJ	3,749,987		Anantha	07-31-1973	—
	AK	3,769,109		MacRae et al.	10-30-1973	—
	AL	3,864,819		Ying	02-11-1975	—
	AM	3,935,586		Landheer et al.	01-27-1976	—
	AN	3,943,547		Nagano et al.	03-09-1976	—
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	AQ	4,045,250		Dingwall	08-30-1977	—
	AR	4,099,260		Lynes et al.	07-04-1978	—
	AS	4,104,086		Bondur et al.	08-01-1978	—
	AT	4,138,280		Rodov	02-06-1979	—

## FOREIGN PATENT DOCUMENTS

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
CAT	AU	DE	32 19 888	A1	Deutsche ITT Ind.	01-12-1983		
	AV	JP	61-156882		Toshiba Corp	07-16-1986		
	AW	JP	63-054762		Hitachi Ltd.	03-09-1988		
	AX	JP	63-205927		Matsushita Electronics	08-25-1988		
	AY	JP	5-109883		Nippondenso Co. Ltd.	04-30-1993		
	AZ	DE	196 05 633	A1	Samsung Electronics	12-12-1996		
CAT	BA	WO	98/33218		Luminous Intent, Inc.	07-30-1998		

Examiner Signature		Date Considered	12/10/03	COPY OF PAPERS ORIGINALLY FILED
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				First Named Inventor	Richard A. Metzler
				Group Art Unit	<del>2814</del> 2813
				Examiner Name	Unassigned
Sheet	2	of	6	Attorney Docket Number	5802P018X

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JH	BB	4,139,880		Ulmer et al.	02-13-1979	
	BC	4,139,935		Bertin et al.	02-20-1979	
	BD	4,140,560		Rodov	02-20-1979	
	BE	4,153,904		Tasch, Jr. et al.	05-08-1979	
	BF	4,246,502		Kubinec	01-20-1981	
	BG	4,318,751		Hornig	03-09-1982	
	BH	4,330,384		Okudaira et al.	05-18-1982	
	BI	4,340,900		Goronkin	07-20-1982	
	BJ	4,372,034		Bohr	02-08-1983	
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	BL	4,533,988		Daly et al.	08-06-1985	
	BM	4,534,826		Goth et al.	08-13-1985	
	BN	4,579,626		Wallace	04-01-1986	
	BO	4,586,075		Schwenk et al.	04-29-1986	
	BP	4,638,551		Eindhoven	01-27-1987	
	BQ	4,666,556		Fulton et al.	05-19-1987	
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	BU	4,739,386		Tanizawa	04-19-1988	

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CST	CP	5,144,547		Masamoto	09-01-1992	—
	CQ	5,184,198		Bartur	02-02-1993	—
	CR	5,225,376		Feaver et al.	07-06-1993	—
	CS	5,258,640		Hsieh et al.	11-02-1993	—
	CT	5,268,833		Axer	12-07-1993	—
	CU	5,296,406		Readdie et al.	03-22-1994	—
	CV	5,349,230		Shigekane	09-20-1994	—
	CW	5,365,102		Mehrotra et al.	11-15-1994	—
	CX	5,396,087		Baliga	03-07-1995	—
	CY	5,426,325		Chang et al.	06-20-1995	—
	CZ	5,430,323		Yamazaki et al.	07-04-1995	—
	DA	5,469,103		Shigekane	11-21-1995	—
	DB	5,475,245		Kudo et al.	12-12-1995	—
	DC	5,475,252		Merrill et al.	12-12-1995	—
	DD	5,479,626		Bindloss et al.	12-26-1995	—
	DE	5,506,421		Palmour	04-09-1996	—
	DF	5,510,641		Yee et al.	04-23-1996	—
	DG	5,536,676		Cheng et al.	07-16-1996	—
	DH	5,780,324		Tokura et al.	07-14-1998	—
	DI	5,818,084		Williams et al.	10-06-1998	—

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## U.S. PATENT DOCUMENTS

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				Examiner Name	Unassigned
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Sheet	6	of	6		

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9/9/04



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		Group Art Unit	2813
		Examiner Name	Yennhu B. Huynh
Attorney Docket Number	5802P018X		
Sheet	1	of	1

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T*
CAJ	Y.H.	K. JANO, M. MITSUI, J. MORITA, M. KASUGA & A. SHIMIZU; Application of a Junction Field Effect Transistor Structure to a Low Loss Diode; Jpn. j. Appl. Phys. Vol. 36, pp. 1487-1493; 1997	

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9-16-02

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J. McMillan  
9/29/02

# Electronic Information Disclosure Statement



## SIDEWALLS AS SEMICONDUCTOR ETCH STOP AND DIFFUSION BARRIER

Application:



09/982855

Confirmation:

7689

Applicant(s):

Richard Metzler ✓

Docket Number:

005802.P018X

Group Art Unit:

Examiner:

Huynh, Yennhu B.

search string:

(4403396 or 4508579 or 5081509 or 5340757 or 5357131 ).pn.

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### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
CAT yjh	P01	4403396	1983-09-13		Stein		
CAT yjh	P02	4508579	1985-04-02		Goth, et al.		
CAT yjh	P03	5081509	1992-01-14		Kozaka, et al.		
CAT yjh	P04	5340757	1994-08-23		Chantre, et al.		
CAT yjh	P05	5357131	1994-10-18		Sunami, et al.		

### Remarks


(Remarks are not for responding to an office action.)

Applicants, in accordance with their duty of disclosure under 37 CFR §1.56 and in accordance with



37 CFR §1.97(b)(3), hereby submit this Electronic Information Disclosure Statement citing U.S. Patent Documents for consideration by the Examiner. Pursuant to 37 CFR 1.97, the submission of this Electronic Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability. This Information Disclosure Statement is being filed prior to a substantive examination of the claims. Pursuant to 37 CFR §1.97(b), no fee should be required for the filing of this Information Disclosure Statement. In the event it is determined that a fee is due, please charge the fee to Deposit Account 02-2666. Applicants respectfully requests that the cited documents be considered and that the form be initialed by the Examiner to indicate such consideration and a copy thereof be returned to Applicants' attorney of record.

### Signature

Examiner Name	Date
	12/10/03

Craig A. Thompson

9/9/04